## INTERNATIONAL SEARCH REPORT

Internal Application No PCI/IB2004/051898

			10171020017001000							
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H02M3/158										
According to International Patent Classification (IPC) or to both national classification and IPC										
	SEARCHED									
Minimum documentation searched (classification system followed by classification symbols)  IPC 7 H02M										
	ion searched other than minimum documentation to the extent that su									
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)  EPO-Internal, WPI Data, PAJ, INSPEC										
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category °	Citation of document, with Indication, where appropriate, of the rele	vant passages	Relevant to claim No.							
X	US 2003/111983 A1 (WALTERS MICHAE AL) 19 June 2003 (2003-06-19) paragraphs '0006!, '0007!	1–12								
Х	EP 0 284 979 A (SGS THOMSON MICROELECTRONICS) 5 October 1988 (1988-10-05) the whole document	1-4								
X	WO 02/063765 A (KONINKL PHILIPS ELECTRONICS NV) 15 August 2002 (2002-08-15) page 8, line 30 - page 9, line 8 page 10, line 3 - line 14; figure	1–12								
Funt	ner documents are listed in the continuation of box C.	X Patent family n	nembers are listed in annex.							
• Special categories of cited documents :										
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document published after the International illing date and not in conflict with the application be considered to be of particular relevance  "E" earlier document published after the International invention  "S" document of particular relevance; the claimed invention  "S" document published after the International invention.										
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "Involve an inventive step when the document is taken alone when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such document is combined with one or more other such document.										
'P' docume	ent published prior to the international filing date but	of the same patent family								
Date of the actual completion of the international search  Date of mailing of the international search report										
1	1 January 2005	19/01/2005								
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